

Plastic square shape photoelectric sensors **PSF** series



Features

- ◆ Retro reflection working principle;
- ◆ Excellent anti-interference performance
- ◆ High detection accuracy

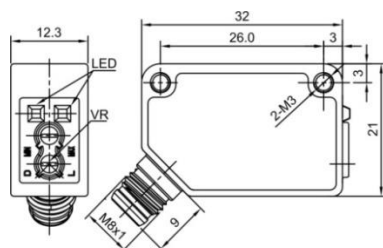
Part number

| | | | |
|-----------|---------------|-----------|---------------|
| NPN NO | PSF-DM2DNO-E1 | PNP NO | PSF-DM2DPO-E1 |
| NPN NC | PSF-DM2DNC-E1 | PNP NC | PSF-DM2DPC-E1 |
| NPN NO/NC | PSF-DM2DNB-E1 | PNP NO/NC | PSF-DM2DPB-E1 |

Technical specifications

| | | | |
|-------------------------------|----------------------------|-----------------------|--|
| Detection type | Retro reflection | Consumption current | ≤25mA |
| Rated distance [Sn] | 2m (adjustable) | Circuit protection | Short-circuit, overload and reverse polarity |
| Standard target | TD-09 reflector | Response time | < 1ms |
| Light source | Infrared LED (880nm) | Output indicator | Yellow LED |
| Dimensions | 32mm *21 mm *12.3mm | Ambient temperature | -15°C...+55°C |
| Output | NO/NC(depends on part No.) | Ambient humidity | 35-85%RH (non-condensing) |
| Supply voltage | 12...24 VDC | Voltage withstand | 1000V/AC 50/60Hz 60s |
| Target | Opaque object | Insulation resistance | ≥50MΩ(500VDC) |
| Hysteresis range [%/Sr] | | Vibration resistance | 10...50Hz (0.5mm) |
| Repeat accuracy [R] | ≤5% | Degree of protection | IP67 |
| Load current | ≤100mA | Housing material | PC/ABS |
| Residual voltage | ≤2.5V | Connection type | M8 Connector |

Dimensions



Wiring diagram

